LABDEX

# Automatic Biochemistry Analyzer LX103ABA

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## Description

Automatic biochemistry analyzer LX103ABA is a completely automated benchtop chemistry analyzer with a throughput of 600 tests per hour. Designed with expanded on-board testing, reduced sample volume, and simple operation, this is a suitable biochemical analyzer for low to mid-volume hospitals and laboratories worldwide. It has an easy-to-use interface that provides a long-term basis for analytical performance. This system contains standardized test menus, assay methods, instrument operations, and reference ranges, all of which limit operator variation and offer consistent quality results.

## Specifications

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| **Throughput** | 600 Tests/hour |
| **Analysis Method** | End-point, Fixed-time, Rate (Kinetic) |
| **Sample Positions** | 90 sample positions, built-in barcode system available |
| **Reagent Position** | 180 refrigerated reagent positions(R1:45 & R2:45) |
| **Sample Volume** | 1-70μl |
| **Reagent Volume** | 10-350μl |
| **Probe** | Teflon coating, with anti-collision function, liquid level detection function |
| **Probe Washing** | Automatic washing interior and exterior |
| **Reagent Cooling** | 2~8℃ |
| **Temperature Control** | 37±0.1℃, real-time monitoring |
| **Cuvettes** | 120 reusable cuvettes, optical length 6mm |
| **Mixer probe** | Independent stirring |
| **Washing** | Automatic cuvettes washing |
| **STAT function** | Yes |
| **Light Source** | 12V/30W halogen lamp |
| **Spectrophotometry** | Post-spectral spectrophotometry |
| **Wavelength** | 340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm |
| **Absorbance** | 0-3.5Abs |
| **Calibration** | 1-point, 2-point and multipoint, factor, Spline Logit-4P, Logit-5P |

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| **Quality Control** | Inserting quality control at random |
| **Software** | Windows 7/8/10 |
| **LIS System** | Available |
| **Interface** | LAN port access |
| **Power Supply** | AC220V±10%,50/60Hz, 110V±10%,60Hz,800W |
| **Temperature** | 15~30℃ |
| **Water Consumption** | Deionized water:□10L/H |
| **Humidity** | 40-85% |
| **External Size (W x D x H)** | 1170 x 775 x 1145 mm |
| **Net weight** | 216 Kg |
| **Package Size (W x D x H)** | 1350 x 930 x 1380 mm |
| **Gross Weight** | 280 Kg |

## Features

- Designed with uninterrupted workflow
- Probe with anti-collision and liquid-level detection function
- Refrigerated tray with independent switch and 24-hour, 2-8℃ cooling system
- Mixer probe having Teflon coating to avoid cross-contamination
- It has intelligent software
- Independent 7-step washing through washing probe
- Robust testing capabilities
- Efficient reagent and consumable use
- Simplify operations with user-friendly graphical user interface design and touch-screen monitor

## Applications

- Automatic biochemistry analyzer used in many biology and histopathology laboratories to extract the serum, plasma, urine or any other body fluid, Research institutes etc.

## Optional Accessories

- Printer

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